



THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Chang-Zheng Chen and Harvey F. Lodish

Application No.: 10/077,178 Group: 1645

Filed: February 15, 2002 Examiner: Unknown

For: STEM CELL SELF-RENEWAL AND LINEAGE COMMITMENT

**CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to Assistant Commissioner for Patents, P.O. Box 2327, Arlington, VA 22202

on 7.19.02 Jenine Crump

Date Signature

Jenine Crump

Typed or printed name of person signing certificate

**REPLY TO NOTICE TO FILE MISSING PARTS OF APPLICATION**

07/25/2002 HDAMTE1 00000086 10077178

Box Missing Parts  
Assistant Commissioner for Patents  
P.O. Box 2327  
Arlington, VA 22202

04 FC:216 200.00 DP

Sir:

In reply to the Notice to File Missing Parts dated March 21, 2002, the following documents and fees are being submitted for filing in the captioned application. A copy of the Notice is attached.

**[X] EXECUTED DECLARATION FOR PATENT APPLICATION**

*(Separate transmittal letter and postcard not required)*

**[ ] POWER OF ATTORNEY DOCUMENT**

**[ ] GRANTED BY INVENTOR(S)**

**[ ] GRANTED BY ASSIGNEE, including Statement under 37 C.F.R. 3.73(b)**

*(Separate transmittal letter and postcard not required)*

**[ ] PRELIMINARY AMENDMENT**

*(Separate transmittal letter and postcard not required)*

**FILING FEE** - with Fee Transmittal for Patent Applications in duplicate

Fee calculations based on:

Claims as originally filed

Claims upon entry of the Preliminary Amendment filed [herewith] [with the application]

*(Separate transmittal letter and postcard not required)*

**SURCHARGE** - surcharge fee of \$65.00

*(Separate transmittal letter and postcard not required)*

**SEQUENCE LISTING** - Filed concurrently and is attached

*(Separate transmittal letter and postcard required)*

**SUBSTITUTE DRAWINGS**

Sheets of substitute drawings consisting of Figs. 1 - [ ] are enclosed

*(Separate transmittal letter and postcard not required)*

**PETITION FOR EXTENSION OF TIME**

Applicant hereby petitions to extend the time to respond to the Notice to File Missing Parts dated March 21, 2002 for two month(s) from May 21, 2002 to July 21, 2002. The appropriate fee of \$200.00 is included in the enclosed check

A [ ] month extension of time to respond to the Notice to File Missing Parts dated [ ] was filed on [ ] with payment of a \$[ ] fee

Applicant hereby petitions for an additional [ ] month extension of time to respond to the Notice to File Missing Parts. The appropriate fee of \$[ ] is included in the enclosed check

*(Separate Petition for Extension of Time and postcard not required)*

**REQUEST FOR CORRECTED FILING RECEIPT** - Filed concurrently and is attached

*(Separate transmittal letter and postcard required)*

**STATEMENT CLAIMING SMALL ENTITY STATUS**

Was filed on [ ]

Is enclosed herewith

*(Separate transmittal letter and postcard not required)*

In view of the small entity status of the captioned application, we hereby request a reimbursement of 50% of the filing fees in the amount of \$[ ] which were paid on [ ] to be deposited in Deposit Account No. 08-0380

The fees required for filing the indicated documents are enclosed in the form of a check in the total amount of \$677.00. Please charge any deficiency or credit any overpayment in the fees that may be due in this matter to Deposit Account No. 08-0380. A copy of this letter is enclosed for accounting purposes.

Respectfully submitted,

HAMILTON, BROOK, SMITH & REYNOLDS, P.C.

By

Anne J. Collins  
Anne J. Collins  
Registration No.: 40,564  
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Concord, Massachusetts 01742-9133

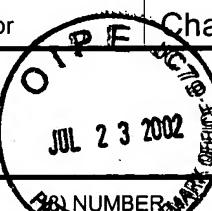
Dated:

*July 19, 2002*

# HAMILTON, BROOK, SMITH & REYNOLDS, P.C.

<b>FEE TRANSMITTAL FOR PATENT APPLICATIONS</b>	Attorney Docket Number	0399.2027-001
	Application Number	10/077,178
	First Named Inventor	Chang-Zheng Chen

CLAIM CALCULATION (includes any preliminary amendment)



CLAIMS	(1) FOR	(2) NUMBER FILED	(3) NUMBER PAID	(4) RATE	(5) CALCULATIONS
	TOTAL CLAIMS (37 CFR 1.16(c) or (j))	16 - 20* =	0	x \$ 18 =	\$ 0
	INDEPENDENT CLAIMS (37 CFR 1.16(b) or (i))	4 - 3** =	1	x \$ 84 =	\$ 84
	MULTIPLE DEPENDENT CLAIMS (if applicable) (37 CFR 1.16(d))			+ \$ 280 =	\$
				BASIC FEE (37 CFR 1.16(a) or (h))	\$ 740
				Total of above Calculations =	\$ 824
				Reduction by 50% for filing by small entity (37 CFR 1.9, 1.27, 1.28) =	\$ 412
				TOTAL =	\$ 412
				Surcharge - Late Filing of Declaration or Filing Fees (37 C.F.R. 1.16(e)) =	\$ 65
				Petition for Extension of Time Fee (37 C.F.R. 1.17) =	\$ 200
				Assignment Recordation Fee = (only when filed with application)	\$
	* Reissue claims in excess of 20 and over original patent ** Reissue independent claims over original patent			TOTAL =	\$ 677

1. Small entity status:

- a.  A small entity statement is enclosed.
- b.  A small entity statement was filed in the prior non-provisional application and such status is still proper and desired.
- c.  Is no longer claimed.

2.  A general authorization is hereby granted to charge deposit account number 08-0380 for any fees required under 37 CFR 1.16 and 1.17 in order to maintain pendency of this application. A copy of this authorization is enclosed for accounting purposes.

3.  A check is enclosed for \$677.00.  Please charge \$[ ] to Deposit Account No. 08-0380.

4.  Other: \_\_\_\_\_  
\_\_\_\_\_

Signature	Anne J. Collins	Date	July 19, 2002
Submitted by Typed or Printed Name	Anne J. Collins	Reg. Number	40,564



UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS  
UNITED STATES PATENT AND TRADEMARK OFFICE  
WASHINGTON, D.C. 20231  
www.uspto.gov

APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
10/077,178	02/15/2002	Chang-Zheng Chen	0399.2027-001

021005  
HAMILTON, BROOK, SMITH & REYNOLDS, P.C.  
530 VIRGINIA ROAD  
P.O. BOX 9133  
CONCORD, MA 01742-9133



CONFIRMATION NO. 9519

FORMALITIES LETTER



\*OC000000007689964\*

Date Mailed: 03/21/2002

NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

07/25/2002 RDAHTE1 00000086 10077178

FILED UNDER 37 CFR 1.53(b)

01 FC:201 370.00 OP  
02 FC:202 42.00 OP  
03 FC:205 65.00 OP

*Filing Date Granted*

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The statutory basic filing fee is missing.  
*Applicant must submit \$ 740 to complete the basic filing fee for a non-small entity. If appropriate, applicant may make a written assertion of entitlement to small entity status and pay the small entity filing fee (37 CFR 1.27).*
- Total additional claim fee(s) for this application is \$84.
  - \$84 for 1 independent claims over 3 .
- The oath or declaration is missing.  
*A properly signed oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date, is required.*
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(l) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.
- The balance due by applicant is \$ 954.

*A copy of this notice **MUST** be returned with the reply.*

*Karla Quintos*

Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE